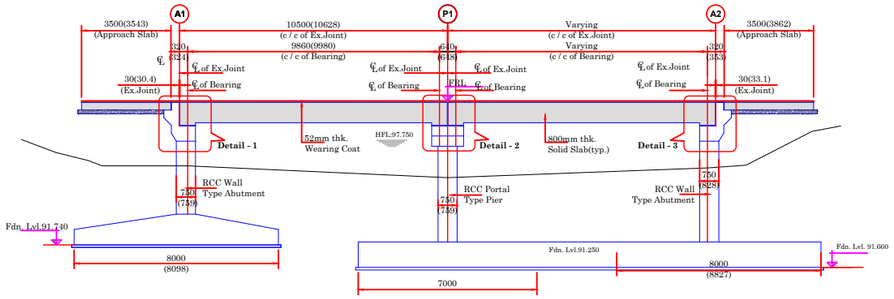
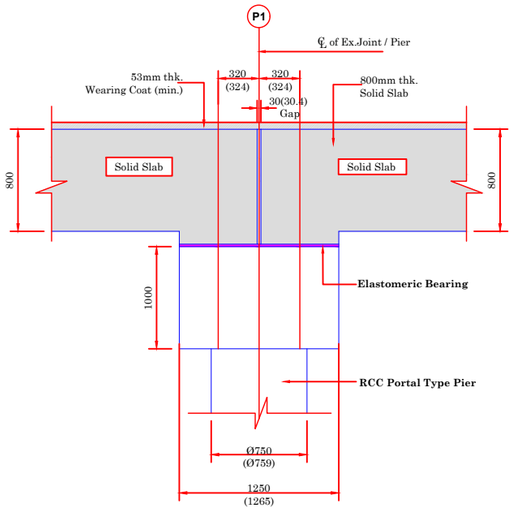
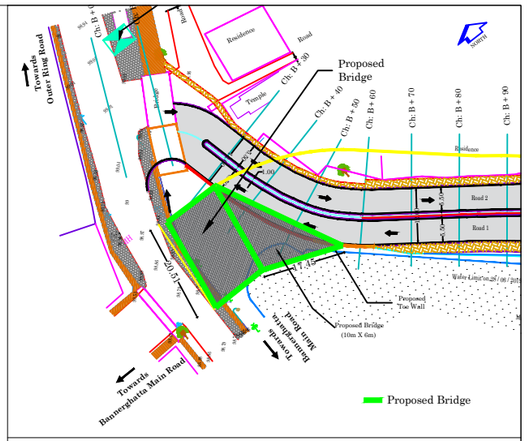


Formation Road Level (FRL) (m)	99.280	99.280	99.280
Existing Ground Level (EGL) (m)	96.740	96.250	96.660
Foundation Bed Level (FBL) (m)	91.740	91.250	91.660
Chainage (m)	0+XXX	0+XXX	0+XXX

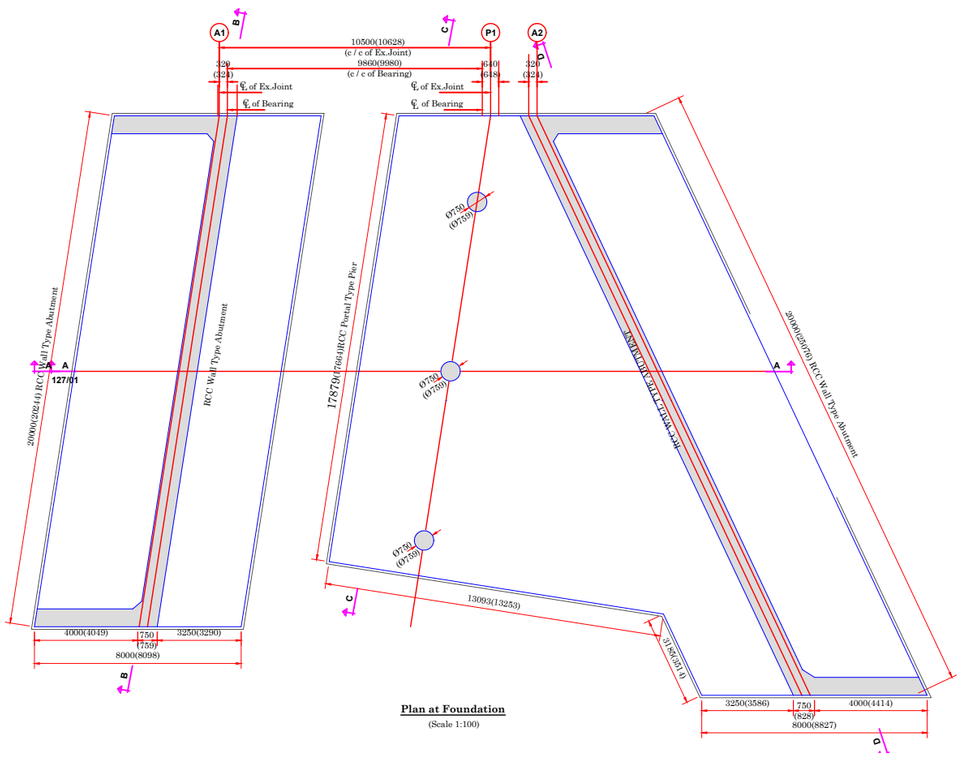
Section A - A
(Scale 1:100)



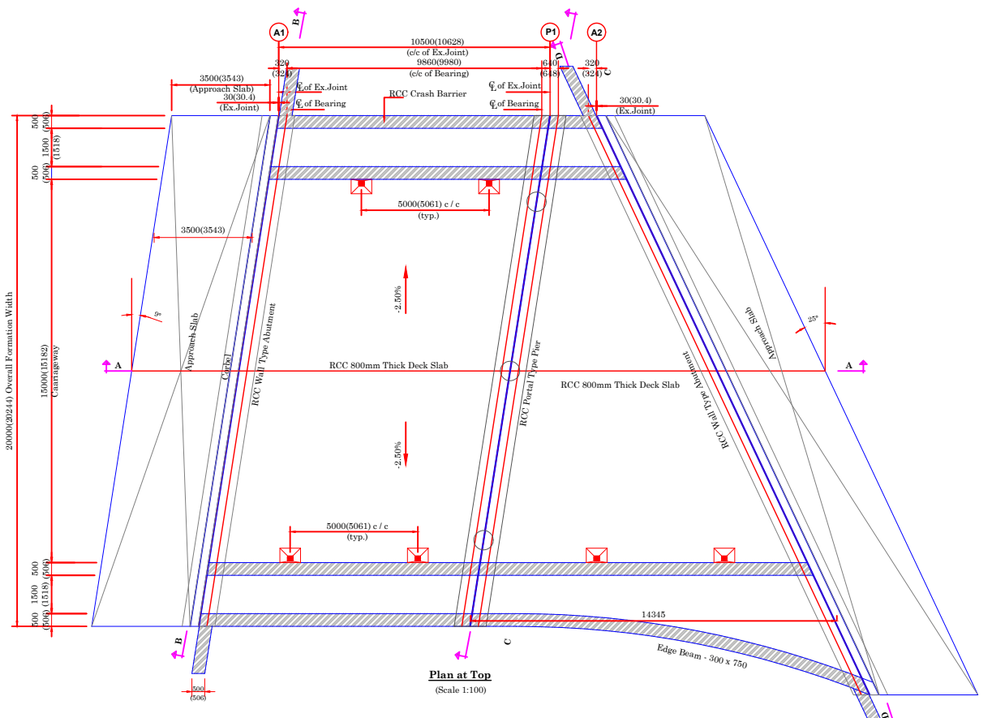
Detail - 2
(Scale 1:25)



Key Plan



Plan at Foundation
(Scale 1:100)



Plan at Top
(Scale 1:100)

Notes:

1. All Dimensions are in mm unless otherwise Mentioned.
2. Skew Dimensions are Shown in Bracket
3. This Drawing should not be Scaled, only written Dimension to be followed.
4. All Levels Mentioned in the Drawing to be cross Verified at Site before Execution by Site Engineer-in-charge, if any Discrepancy Found in Levels shall be Immediately notice to Design Consultant
5. Any Financial Variations Arising out of the Approval Drawing shall got to be Approved by the Competent Authority before Execution.
6. The Details of this Drawing do not bear any risk or Responsibility for Field lapses, Constructional Defects, & Faulty Workmanship etc.
7. The Carriageway of the Structure has been Designed for Live Load as per IRC: 6-2014.
8. Total Width of Deck in Approach Road (0.5+7.5+0.5=8.5m)
9. Strip Seal Expansion Joint is Proposed
10. Concrete Grade for all Elements of
    Structures as Indicated Below:-
    Superstructure : M40
    Substructure : M 35
    RCC Crash Barrier : M 40
11. Grade of Steel : Fe500
12. Clear Cover to Outermost Steel shall be as below:
    Foundation : 75mm
    Pier Substructure &
    Superstructure : 40mm
    Return Wall & Abutment
    Earth face : 75mm
    Away from each face : 40mm
13. Back Filling behind Abutment Wall & Return Wall shall consists of Selected Earth confirm to Appedix:6 of IRC:78-2014 having Properties C=0 &ϕ ≥30° Back Filling Shall be Carried out in Layers of not more than 200mm with Proctor Density of 98%
14. Seismic Zone - II
15. Appropriate Guide Bunds and Working Islands during Construction of Substucture Foundation shall be Provided for Diversion of Water.
16. The Drawing shall be Read in Conjunction with Relevant Approved Highway Drawings for Structure Orientation, Skew angle, FRL & Camber / Super Elevation etc.
17. Dimensions, Clear Cover, Steel & Concrete Grade for Approach Slab, Terminal Slab, RCC Pedestal, Anchor Beam & RCC Crash Barrier Elements Refer Miscellaneous Drawing.
18. If Hard Strata Found at site, According to Clause 705.2.2, IRC-78:2014, Minimum Embedment of Foundation Shall be Minimum of as follow or Shown in Drawings:
    i. In soft Rock 1.5m
    ii. In hard Rock 0.6m
19. In case of Foundation in Rock, the Trenches Around the Footing Shall be Filled up with M15 grade of Concrete upto the top of the Rock.
20. Hydraulic data:
    a. SBC Considered for Abutment : 15.0 T/m²
    b. SBC Considered for Pier : 15.0 T/m²

DATE	SCALE	REV. No.	JOB No.	SHEET No.
Dec 2020	As Specified	R0	2682	1 / 2

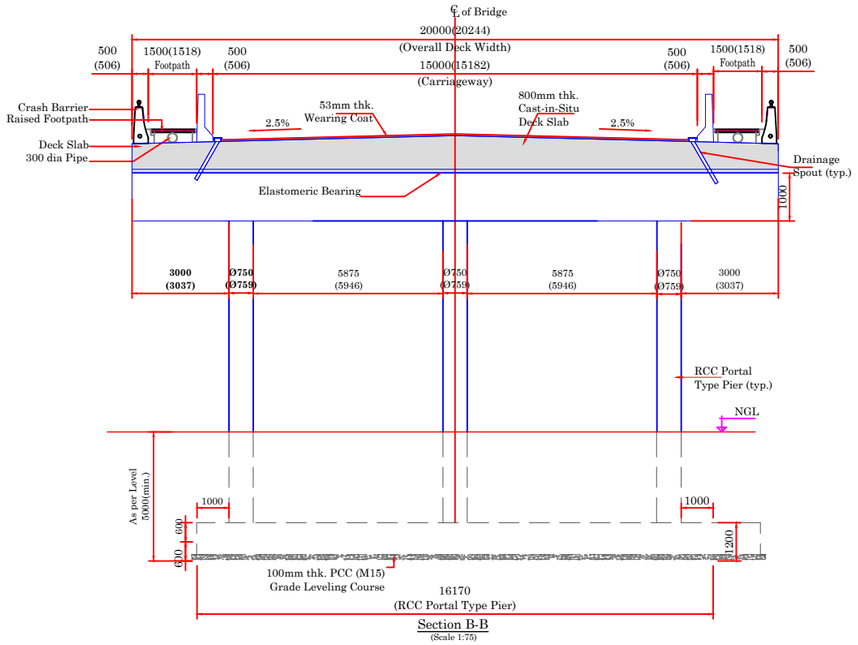
Dwg. No. MC / BBMP / 2682 / MTB / GAD / 118A

PROJECT MANAGEMENT CONSULTANT :
MANASA CONSULTANTS
CONSULTING ENGINEERS AND DESIGNERS
No. 91, West Park Road, between 17th and 18th Cross
Malleshwaram, Bengaluru - 560 055
Tel: (080) 23318602, 43705818
email: manasaconsultants1991@gmail.com
manasaconsultants@airtelmail.in

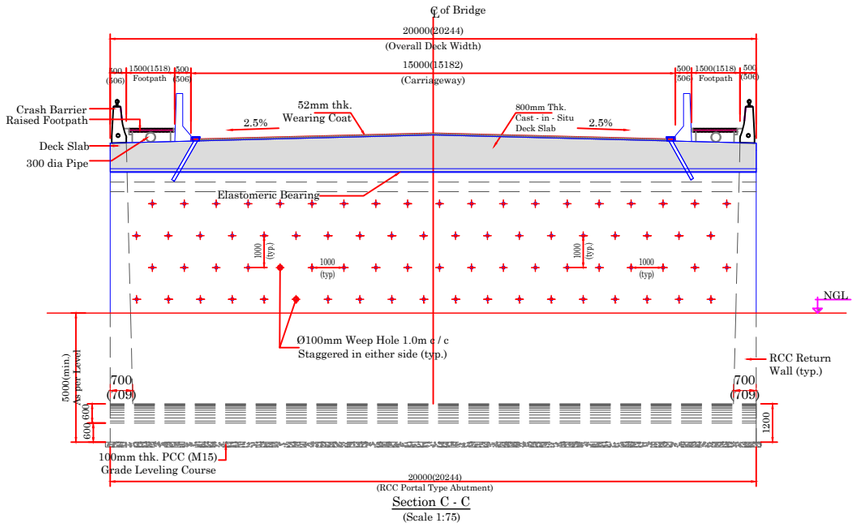
CLIENT:
BRUHAT BENGALURU MAHANAGARA PALIKE

TITLE:
General Arrangement Drawing
of New Bridge between
Ch: B - 0m and Ch: B - 60m

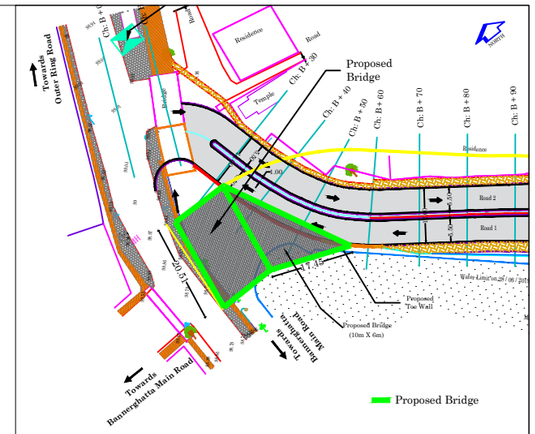
PROJECT:
Construction of 20m Corridor from BTM Layout to Hosur Road along Madiwala Tank Bund Road



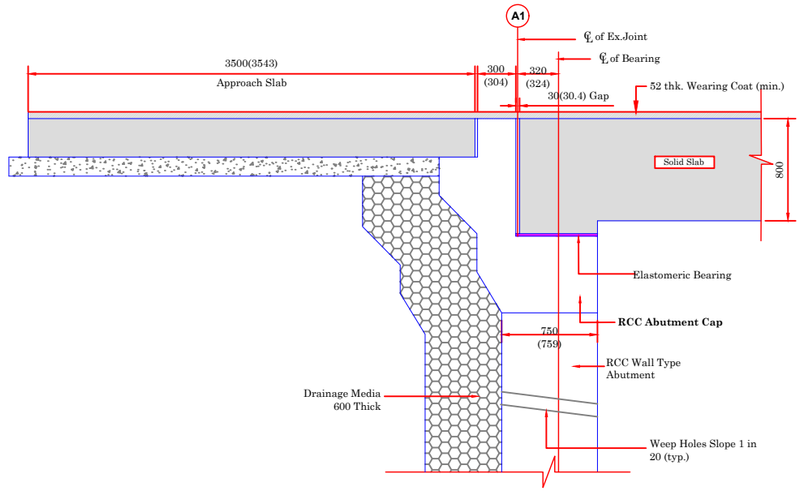
Section B-B
(Scale 1:75)



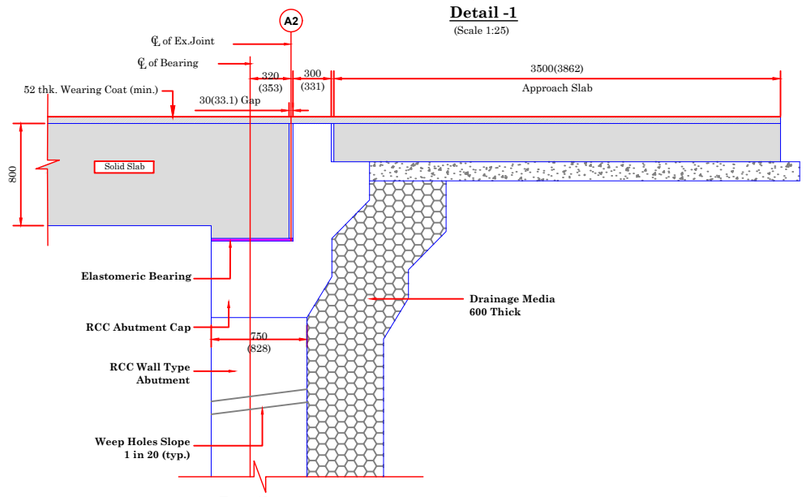
Section C - C
(Scale 1:75)



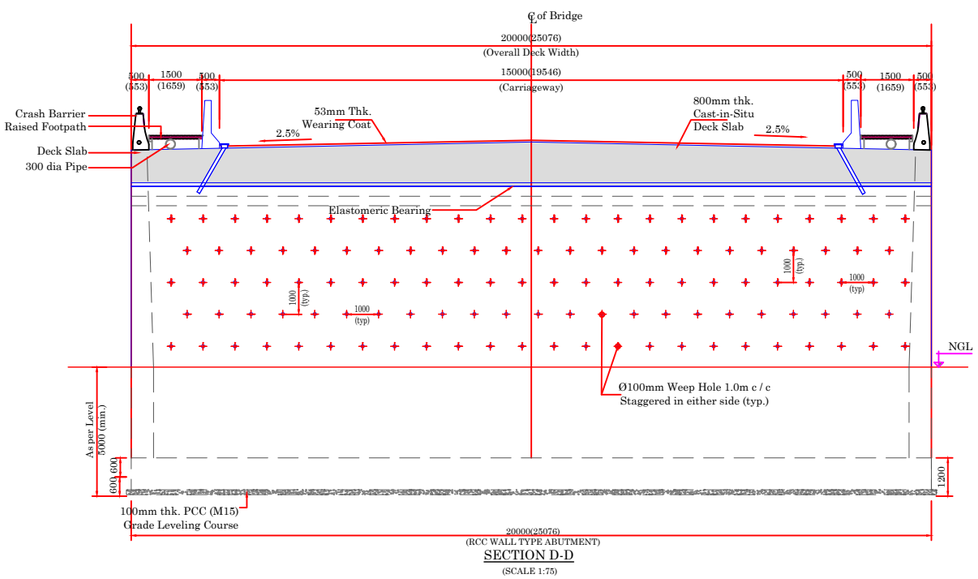
Key Plan



Detail -1
(Scale 1:25)



Detail - 3
(Scale 1:25)



SECTION D-D
(SCALE 1:75)

Notes:

1. All Dimensions are in mm unless otherwise Mentioned.
2. Skew Dimensions are Shown in Bracket
3. This Drawing should not be Scaled, only written Dimension to be followed.
4. All Levels Mentioned in the Drawing to be cross Verified at Site before Execution by Site Engineer-in-charge, if any Discrepancy Found in Levels shall be Immediately notice to Design Consultant
5. Any Financial Variations Arising out of the Approval Drawing shall got to be Approved by the Competent Authority before Execution.
6. The Details of this Drawing do not bear any risk or Responsibility for Field lapses, Constructional Defects, & Faulty Workmanship etc.
7. The Carriageway of the Structure has been Designed for Live Load as per IRC: 6-2014.
8. Total Width of Deck in Approach Road (0.5+7.5+0.5=8.5m)
9. Strip Seal Expansion Joint is Proposed
10. Concrete Grade for all Elements of
    Structures as Indicated Below:-
    Superstructure : M40
    Substructure : M 35
    RCC Crash Barrier : M 40
11. Grade of Steel : Fe500
12. Clear Cover to Outermost Steel shall be as below:
    Foundation : 75mm
    Pier Substructure &
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    Return Wall & Abutment
    Earth face : 75mm
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13. Back Filling behind Abutment Wall & Return Wall shall consists of Selected Earth confirm to Appedix:6 of IRC:78-2014 having Properties C=0 &Ø ≥30° Back Filling Shall be Carried out in Layers of not more than 200mm with Proctor Density of 98%
14. Seismic Zone - II
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20. Hydraulic data:
    a. SBC Considered for Abutment : 15.0 T/m²
    b. SBC Considered for Pier: 15.0 T/m²

DATE	SCALE	REV. No.	JOB No.	SHEET No.
Dec 2020	As Specified	R0	2682	2 / 2

Dwg. No. MC / BBMP / 2682 / MTB / GAD / 118B

PROJECT MANAGEMENT CONSULTANT :
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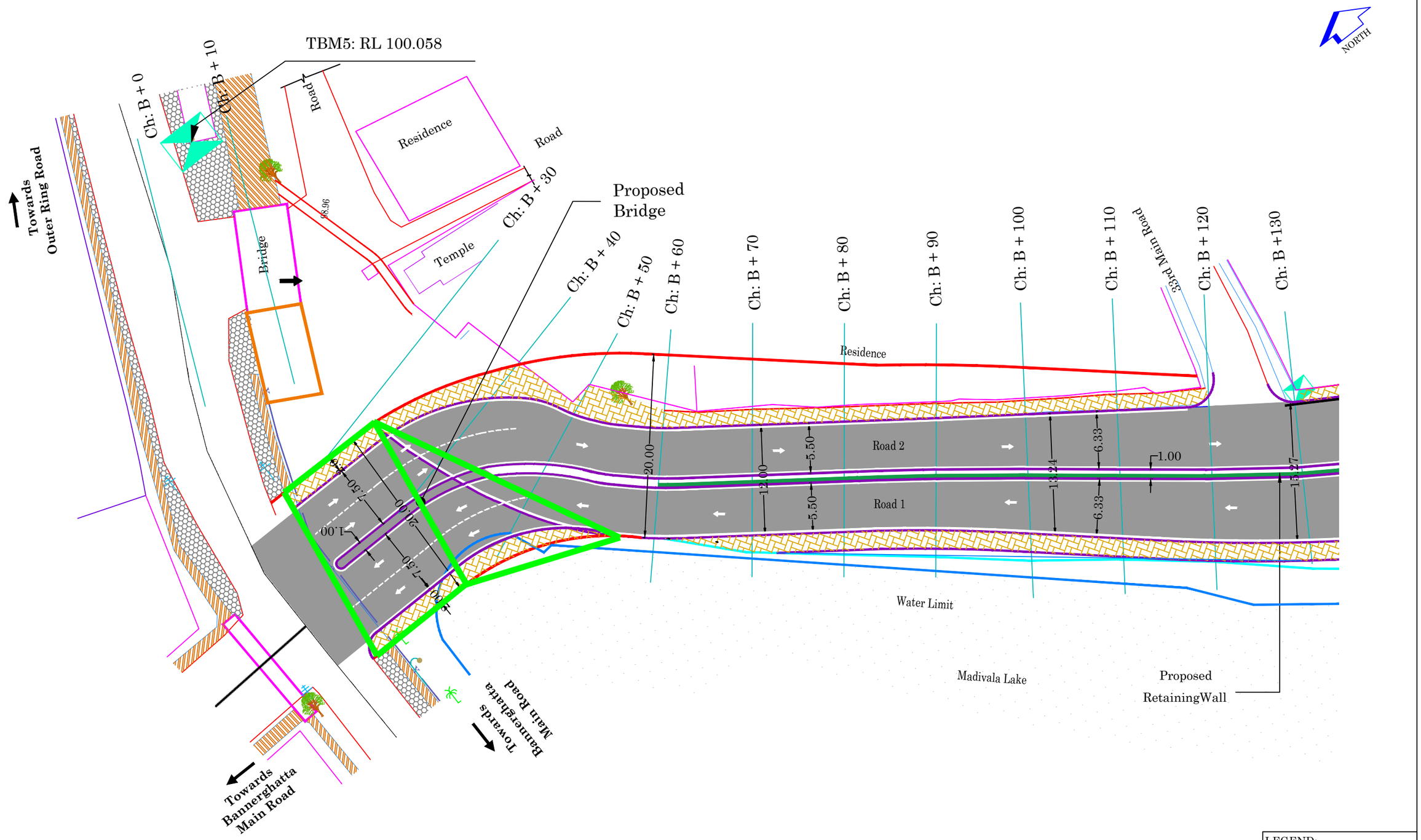
Malleshwaram, Bengaluru - 560 055
Tel: (080) 23318602, 43705818
email: manasaconsultants1991@gmail.com
manasaconsultants@airtelmail.in

CLIENT:
BRUHAT BENGALURU MAHANAGARA PALIKE

TITLE:
General Arrangement Drawing
of New Bridge between
Ch: B - 0m and Ch: B - 60m

PROJECT:
Construction of 20m Corridor from BTM Layout to Hosur Road along Madiwala Tank Bund Road



Concept Plan

LEGEND:	
	Right of Way
	Carriageway
	Footpath
	Proposed Bridge

Note:
1. All Dimensions, Levels and Chainages are in metre unless otherwise specified.

DATE	SCALE	JOB. No.	REV. No.	SHEET No.
Dec 2020	As Specified	2682	R0	1 / 1

Dwg. No. MC / BBMP / 2682 / MTB / LM&SB / 119

PROJECT MANAGEMENT CONSULTANT :

MANASA CONSULTANTS
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email: manasaconsultants1991@gmail.com
manasaconsultants@airtelmail.in

CLIENT :

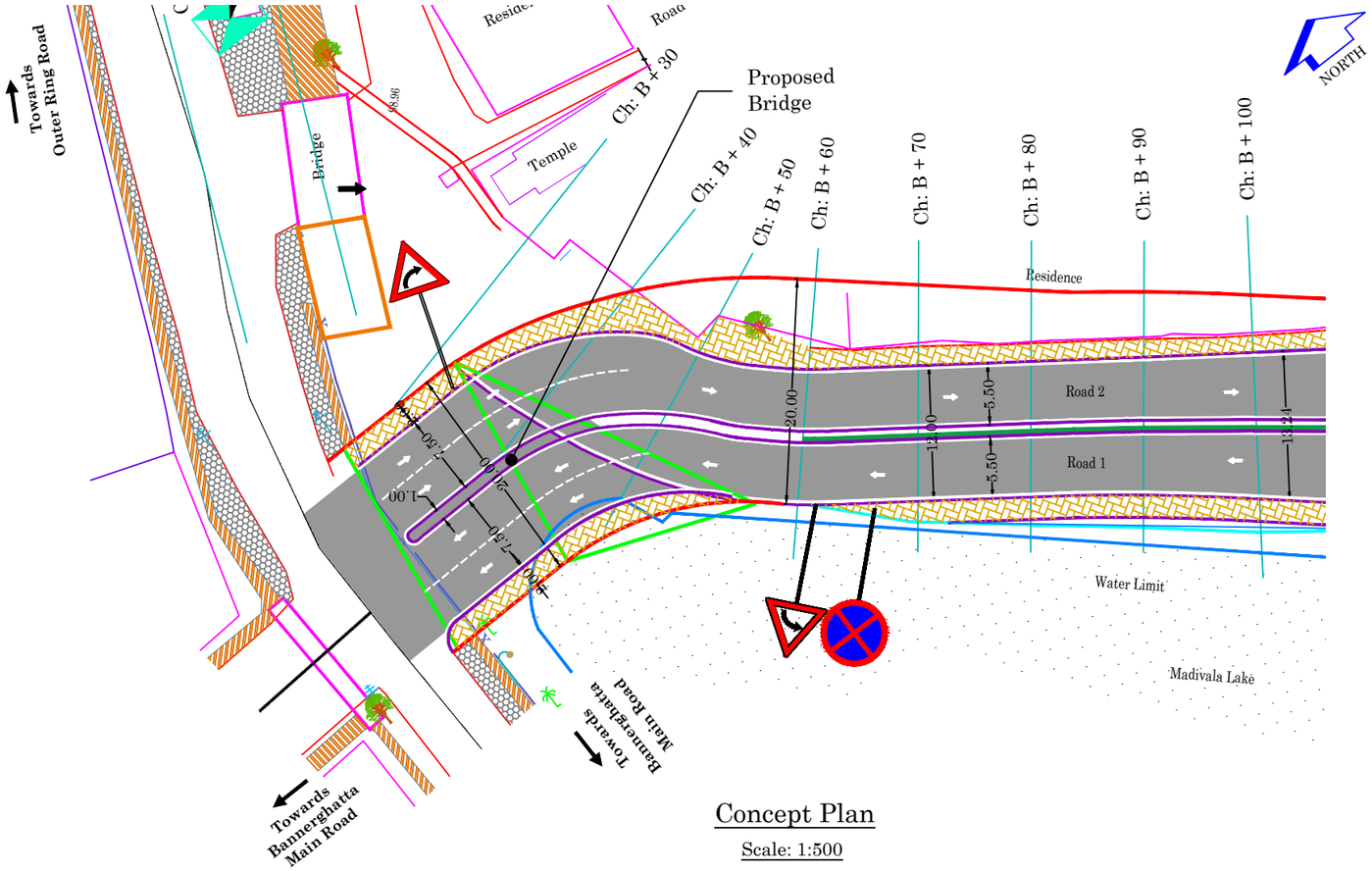
BRUHAT BENGALURU MAHANAGARA PALIKE

TITLE:

Concept Plan

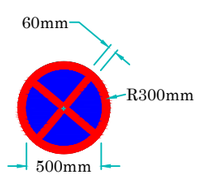
PROJECT :

Construction of 20m Corridor from BTM Layout to Hosur Road along Madiwala Tank Bund Road



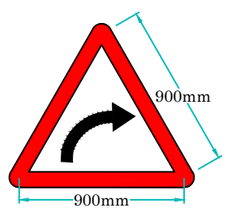
Concept Plan

Scale: 1:500



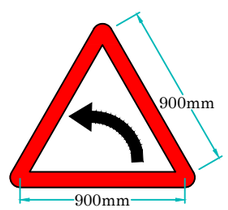
No Stopping or Standing

Scale: 1:25



Right Hand Curve

Scale: 1:25



Left Hand Curve

Scale: 1:25

LEGEND:	
	Right of Way
	Carriageway
	Footpath
	Proposed Bridge

Note:
1. All Dimensions, Levels and Chainages are in metre unless otherwise specified.

DATE	SCALE	JOB. No.	REV. No.	SHEET No.
Dec 2020	As Specified	2682	R0	1 / 1

Dwg. No. MC / BBMP / 2682 / MTB / LM&SB / 119

PROJECT MANAGEMENT CONSULTANT :

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email: manasaconsultants1991@gmail.com
manasaconsultants@airtelmail.in

CLIENT :

BRUHAT BENGALURU MAHANAGARA PALIKE

TITLE:

Lane Marking
and
Road Sign Details

PROJECT :

Construction of 20m Corridor from BTM Layout to Hosur Road along Madiwala Tank Bund Road